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CENTRAL INTELLIGENCE AGENCY 25X1

INFORMATION REPORTCOUNTRY **USSR** 25X1

DATE DISTR. 27 Jul 51

SUBJECT **Chemical and Baking Tests on Soviet Wheat**

NO. OF PAGES 2

PLACE
ACQUIRED

25X1

NO. OF ENCLS. 1
(LISTED BELOW) **Table I**DATE
ACQUIRED

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SUPPLEMENT TO
REPORT NO.

DATE OF INFORMATION

25X1

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THIS IS UNEVALUATED INFORMATION

1. Description of samples:

25X1 No. 16 - A Russian common wheat

25X1 No. 17 - A Russian common wheat

25X1 No. 18 - A Russian common wheat

25X1 No. 19 - A Russian hard wheat

25X1 No. 20 - A Russian common wheat

No. 21 - A Russian common wheat

No. 22 - A Russian common wheat

25X1 No. 23 - A Russian common wheat

25X1 No. 24 - A Russian common wheat

25X1 No. 25 - A Russian durum wheat

25X1 No. 26 - A Russian common wheat

25X1 No. 27 - A Russian common wheat
29 October 1950 and rec

No. 28 - A Russian common wheat
Kherson 13 December 195

No. 29 - A Russian common wheat
Odessa 25 October 1950

No. 30 - A Russian common wheat
6 November 1950 and rec

No. 31 - A Russian common wheat
late in October 1950 an

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25X1

No. 32 -- A Russian common wheat

25X1

No. 33 -- A Russian common wheat

25X1

2. The results of chemical analyses, physical tests, and baking of these samples are tabulated in Table I which accompanies this report.
3. It is apparent from the reported data that, with the exception of samples 19, 25 and 32, these grains made very good bread slightly lower in quality than would have been obtained from good hard red spring wheat grown in the U. S. A.

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RUSSIAN WHEAT SAMPLES

25X1

Sample No.	Class or Type	Kernel Texture	Wgt. per Bushel	Pearl- ing Index	Protein Content		Flour Yield	Mixing Time of Dough	Water ab- sorption of Flour	Dough Charac- ter	Bread			Expected % actual	Approx. Rating
					Wheat	Flour					Grain	Crumb	Color		
					1/	2/					5/	Content	Expected		
			Lbs.	Pct.	Pct.	Pct.	Pct.	Min.	Pct.		Score	Score	Score		
16	HRS	Hard	(Envelope Sample)	13.9	—	—	—			(Not enough sample for milling and baking)					
17	HRS	"	61.4	27.1	13.4	12.4	71.5	.48	2.0	58	Elastic	763	85 VG	80 cr	835 91 G
18	HRS	"	60.8	28.1	12.3	11.4	71.9	.46	2.0	58	Strong	729	85 VG	80 cr	795 92 G
19	Durum	"	61.2	28.6	13.7	12.9	72.3	.73	2.5	65	Slk. Weak	538	60 F	60 cy	865 65 VP
20	HRS	"	59.8	30.4	13.6	12.5	71.6	.45	2.5	62	Elastic	772	95 VG	95 cr	835 92 VG
21	HRS	"	60.7	29.7	12.0	11.3	73.3	.47	2.0	60	Strong	747	85 VG	75 cr	770 97 G-
22	HRS	"	60.8	27.5	13.7	12.9	71.7	.47	2.0	60	"	815	90 VG	80 cr	865 94 G
23	HRS	"	60.7	27.9	14.0	12.9	71.8	.44	2.0	62	"	830	90 VG	95 cr	865 96 G/
24	HRS	"	61.0	26.9	13.6	12.8	70.2	.44	2.0	60	"	839	95 VG	85 cr	860 98 VG
25	Durum	"	60.5	32.0	14.0	13.3	71.7	.70	3.5	70	Weak	455	45 VP	50 cy	880 52 VP
26	HRS	"	60.4	28.3	12.0	11.1	71.0	.49	2.0	61	Elastic	741	85 VG	80 cr	750 99 VG
27	HRS	"	60.3	28.4	14.0	13.0	71.9	.51	2.0	62	Strong	"			
28	HRS	"	60.9	28.7	14.2	13.0	71.9	.48	2.0	61	"	853	95 VG	90 cr	865 99 VG
29	HRS	"	59.9	29.4	13.3	12.3	72.7	.52	2.0	62	"	815	90 VG	90 cr	825 99 VG
30	HRS	"	60.6	28.8	14.6	13.7	71.7	.49	2.0	61	"	842	100 VG	90 cr	895 94 VG
31	HRS	"	60.3	27.9	14.6	13.6	71.7	.51	2.0	61	"	835	90 VG	85 cr	890 94 G/
32	Durum	"	60.5	29.9	13.8	13.0	72.0	.67	3.5	67	Weak	561	60 F	55 cy	865 65 P
33	HRS	"	60.8	29.7	12.9	12.0	74.9	.54	2.0	61	Elastic	812	90 VG	95 cr	820 99 VG
											Strong				

1/ Dockage free

2/ 14.0 per cent moisture basis

3/ Moisture-free basis

4/ This is the loaf volume expected for good quality hard red spring wheat grown in the U. S.

5/ cr = creamy; cy = creamy yellow

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